

ABSTRACT OF THE DISCLOSURE

A shaft structure and at least two non-identical inserts. The shaft structure has a cavity and vibrates in response to the receipt of an input of a predetermined frequency such that at least two second bending mode anti-nodes are generated in spaced relation to one another along the longitudinal axis of the shaft structure. Each of the inserts is disposed within the longitudinally extending cavity at a position that approximately corresponds to an associated one of the anti-nodes. A method for attenuating noise transmission from a vehicle driveline is also disclosed.